

# Receiving Report

Date:

15-07-22

Batch No:

B2804

Supplier:

WESCO Aircraft

Dart P/O:

29302

Packing Slip: Yes  No   
 Invoice: Yes  No   
 Receipt: Cash  Cr   
 New Supplier Yes  No

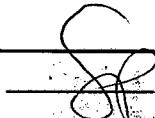
Release Note Attached: Yes  No  N/A   
 Waybill Attached: Yes  No   
 Shipment Complete: Yes  No  N/A   
 QC18 Inspection \_\_\_\_\_  
 Work Order \_\_\_\_\_

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12



Production/Admin:

Date \_\_\_\_\_

Received/Costing \_\_\_\_\_

Initial \_\_\_\_\_

Location \_\_\_\_\_



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO29202

Purchase Order Date 7/20/2015  
PO Print Date 7/20/2015

Page Number 1 of 2

Order From : VU-WES002  
WESCO AIRCRAFT HARDWARE CORP  
PO BOX 802020  
SANTA CLARITA, CA 91380-2020  
USA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name		Buyer	Linda Lacelle
Vendor Phone	661-775-7200	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	FedEx Overnight collect	Currency	USD
Ship Acct:		FOB	EXW - (Ex Works)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	80-005-3-8	INSERT	7/24/2015 Yes 7/24/2015	FN	20.00 Each	\$9.50	\$190.00
2	71401-45	Procurement Quality Clause	7/24/2015 No 7/24/2015		1.00	\$0.00	\$0.00
		Procurement Quality Clauses A005 RIGHT OF ENTRY A012 CHEMICAL AND PHYSICAL TEST REPORTS A016 PERSONNEL QUALIFICATION A026 CERTIFICATION OF MATERIAL CONFORMANCE A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS A040 NOTIFICATION OF QUALITY ESCAPE A041 QUALITY MANAGEMENT SYSTEM A043 RETENTION OF QUALITY DOCUMENT					

*SP15-07-28*

Line Total: \$190.00

PO Instructions: Fedex Acc#151793240

Note:



**Wesco Aircraft Hardware Corp.**

27727 Avenue Scott, Valencia, CA 91355  
PH: 661 / 775-7200 FAX: /

# Pack Slip

Pack Slip #

Customer PO #

Sales Order #



Pack Slip #	Date	Page #
9087465	7/20/2015 10:50:29	1 of 1
Customer PO #		
PO29202		
Sales Order #	Ordered By	
9516675 SO	LINDA	
Payment Terms		
	030 Net 30	
Salesperson	Related Order #	
Maria Melgar		
TOTE ID:	9467	

Carrier: TRAXFedEx Int'l

Ship Inst: COL

Item #	Quantities			Part Number / Description	Certifications	Promise Date
	Shipped	Backorder	U/M			
1	20	0	EA	80-005-3-8	Cert-Mfr CofC, Raw Matl & Proc	7/20/2015

Rush HOT! PRI 1 \*\*WILL CALL/CNT TO CNTR\*

S60

1 20 0 EA 80-005-3-8

Cert-Mfr CofC, Raw Matl & Proc

7/20/2015

BLINDINSERT,CAD ALLOYSTEEL NUT

Lot # Manufacturer's Lot #: Manufacturer Name  
30958444 54696 The Young Engineers Inc.

Lot Qty  
20

TSO/PMA  
TSO C-148



Export Classification: EAR ECCN 9A991d

Country Of Origin: US

US Harmonized Schedule Number: 7616.10.70.30 ALLOY STEEL FASTENERS

Comments: \*\*\*\*\*Orders must be INVOICED PRIOR TO SHIPMENT\*\*\*\*\*

US FUNDS

FREIGHT ACCOUNT NUMBER: 151793240

## Export Statement

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

## Certificate of Conformance:

Wesco Aircraft certifies that all products are of new manufacture. Documentation from the manufacturer certifies that the product meets all applicable Government, Customer and/or Manufacturer's specifications and requirements. Wesco certifies that the whole of the supplies detailed hereon have been received under cover of the Release Certificate quoted above and are in the same condition when received. This documentation is maintained on file permanently and available upon request.

Signed:

Karineh Gharib Quality Assurance Director

Total Weight Total # Boxes

Delivery of an electronic signature to this document shall be as effective as delivery of a manually executed counterpart hereof.

We hereby certify that no returns will be accepted without WESCO Returned Material Authorization number. Only lot traceable material will be accepted for return.

Wesco's standard terms and conditions can be found at [https://www.wescoair.com/eng/company/Downloads/Wesco\\_Aircraft\\_Terms\\_and\\_Conditions\\_of\\_Sale.pdf](https://www.wescoair.com/eng/company/Downloads/Wesco_Aircraft_Terms_and_Conditions_of_Sale.pdf) and, except as explicitly agreed by Wesco and the buyer in a writing signed by both parties, shall be applicable to, and deemed incorporated into this order. These terms and conditions shall govern the order notwithstanding any term and conditions that were included in the order by the buyer. Acceptance of the order shall be deemed an acceptance of these terms and conditions and, except as expressly agreed by Wesco and the buyer in a writing signed by both parties, these terms and conditions shall supersede, nullify and void any other terms, conditions, representations, understandings, in oral or written form.



# SHIPPING INVOICE ONLY

Original

Seller Wesco Aircraft 27727 Avenue Scott Valencia, CA 91355	Phone: 661-775-7200 Fax: 661-295-1307	Invoice number 9621468 Invoice date 07/20/15 Sales Order No. 9516675 / SO / 00100 Back Slip No. 9087465	Page number 1 of 1
Ship To Dart Aerospace Ltd. 1270 Aberdeen St. Hawkesbury ON K6A 1K7 CANADA CANADA	Acct#: 920397	Purchase Order No. PO29202 Tracking Number 645591109570 Carrier FedEx	Ordered By LINDA
Bill To Dart Aerospace Ltd. 1270 Aberdeen St. Hawkesbury ON K6A 1K7 CANADA CANADA	Acct#: 920397	Freight Terms COL Collect Terms Net 30 Consolidation No.	
Customer Notes:			

Item #	Part #	Description		
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1	20 EA	80-005-3-8	BLINDINSERT,CAD ALLOYSTEEL NUT.5000 80-005-3-8 Lot Numbers: 30958444 54696 Country of origin: UNITED STATES Export Classification: EAR 9A991D US HTS: 7616107030 ALUMINUM COLLAR	190.00
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These commodities, technology or software were  
exported from the United States in accordance with  
the Export Administration regulations. Diversion  
contrary to U.S. law prohibited.

1.a U.S. PRINCIPAL PARTY IN INTEREST (USPPI) (complete name and address).  Wesco Aircraft 27727 Avenue Scott Valencia, CA 91355 UNITED STATES		ZIP CODE 91355	Tracking Number <b>645591109570</b>
EXPORTER EIN NO. <b>95-2704662</b>	PARTIES TO TRANSACTION <input type="checkbox"/> Related <input checked="" type="checkbox"/> Non-Related		FedEx UNITED STATES
ULTIMATE CONSIGNEE Dart Aerospace Ltd. 1270 Aberdeen St. Hawkesbury ON K6A 1K7 CANADA			
INTERMEDIATE CONSIGNEE		PORT OF EXPORT LAX	COL Collect
FORWARDING AGENT FedEx UNITED STATES		POINT(STATE) OF ORIGIN OR FTZ NO CA	COUNTRY OF ULTIMATE DESTINATION CANADA

## SHIPPER'S LETTER OF INSTRUCTIONS

NOTE: 1. IF YOU ARE UNCERTAIN OF THE SCHEDULE B COMMODITY NO - DO NOT TYPE IT IN - WE WILL COMPLETE WHEN PROCESSING THE 7525-V.  
2. IF YOU HAVE SHIPPED THIS MATERIAL TO US VIA AN INLAND CARRIER - PLEASE GIVE US THE INLAND CARRIER'S NAME, SHIPPING DATE, AND RECEIPT OR PRO NO. (IF AVAILABLE). THIS WILL HELP US EXPEDITE YOUR SHIPMENT WITH THE INLAND CARRIER.

SHIPPER'S REF. NO. <b>9087465</b>	DATE <b>07/20/15</b>	SHIP VIA <input checked="" type="checkbox"/> AIR <input type="checkbox"/> OCEAN	<input type="checkbox"/> CONSOLIDATE <input type="checkbox"/> DIRECT
SCHEDULE B DESCRIPTION OF COMMODITIES			VALUE(U.S. dollars, omit cents) ( <i>Selling price or cost if not sold</i> )
MARKS, NOS., AND KIND OF PKGS. SCHEDULE B NUMBER			Total boxes 1
(Aircraft Hardware) ( <i>See attached invoice(s) for Schedule B number and D/F code</i> ) SO# 09516675 PO# PO29202 Pack Slip # 9087465 Country of origin UNITED STATES These commodities, technology or software were exported from the United States in accordance with the Export Administration regulations. Diversion contrary to U.S. law prohibited.			\$ 190.00
			Total weight 1
			HAZARDOUS MATERIALS <input type="checkbox"/> Yes <input type="checkbox"/> No
			ROUTED EXPORT TRANSACTION <input type="checkbox"/> Yes <input type="checkbox"/> No

LICENSE NO./ LICENSE EXCEPTION SYMBOL / AUTHORIZATION <b>NLR</b>	ECCN ( <i>When required</i> ) <b>EAR 9A991D</b>	<b>SHIPPER MUST CHECK</b>	
Duly authorized officer or employee	The exporter authorizes the forwarder named above to act as forwarding agent for export control and customs purposes.	<input type="checkbox"/> PREPAID OR <input checked="" type="checkbox"/> COLLECT	
<b>SPECIAL INSTRUCTIONS</b>		<b>C.O.D. AMOUNT \$</b> SHIPPER REQUESTS INSURANCE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <b>INSURANCE AMOUNT \$</b>	
ODTC Registration Number _____ SME (Significant Military Equipment) <input type="checkbox"/> Yes <input type="checkbox"/> No Eligible Party Certification Number <input type="checkbox"/> Yes <input type="checkbox"/> No USML Category Code _____ ODTC Quantity _____ ODTG Unit of Measure _____		I certify that all statements made and all information contained herein are true and correct and that I have read and understand and instructions for preparation of this document, set forth in the "Correct Way to Fill Out The Shipper's Export Declaration", understand that civil and criminal penalties, including forfeiture and sale, may be imposed for making false or fraudulent statements herein, failing to provide the requested information or for violation of U.S. laws on exportation (13 U.S.C. Sec. 305 ; 22 U.S.C. Sec. 401; 18 U.S.C. Sec. 1001; 50 U.S.C. App.2410).	

NOTE: The Shipper or his Authorized Agent hereby authorizes the above named Company, in his name and on his behalf, to prepare any export documents, to sign and accept documents relating to said shipment and forward this shipment in accordance with the conditions of carriage and the tariffs of the carriers employed. The shipper guarantees payment of all collect charges in the event the consignee refuses payment. Hereunder the sole responsibility of the Company is to use reasonable care on the selection of carriers, forwarders, agents and others to whom it may entrust the shipment.

DEPARTMENT OF THE TREASURY  
UNITED STATES CUSTOMS SERVICENORTH AMERICAN FREE TRADE AGREEMENT  
CERTIFICATE OF ORIGINOMB No. 1515-0204  
See Back of form for  
Paperwork Reduction  
Act Notice

19 CFR 181.11, 181.22

09516675 / SO / 00100

*Please print or type*

1. EXPORTER NAME AND ADDRESS Wesco Aircraft 27727 Avenue Scott Valencia, CA 91355 UNITED STATES		2. BLANKET PERIOD (DD/MM/YY) FROM 01/01/2015 TO 31/12/2015			
TAX IDENTIFICATION NUMBER 952704662		4. IMPORTER NAME AND ADDRESS Dart Aerospace Ltd. 1270 Aberdeen St. Hawkesbury ON K6A 1K7 CANADA			
3. PRODUCER NAME AND ADDRESS  WILL SUPPLY UPON REQUEST		TAX IDENTIFICATION NUMBER			
5. DESCRIPTION OF GOOD(S)	6. HS TARIFF CLASSIFICATION NUMBER	7. PREFERENCE CRITERION	8. PRODUCER	9. NET COST	10. COUNTRY OF ORIGIN
80-005-3-8 BLINDINSERT,CAD ALLOYSTEEL NUT	80-005-3-8 7616107030	B	NO2	NO	US

I CERTIFY THAT:

\*THE INFORMATION ON THIS DOCUMENT IS TRUE AND ACCURATE AND I ASSUME THE RESPONSIBILITY FOR PROVING SUCH REPRESENTATIONS. I UNDERSTAND THAT I AM LIABLE FOR ANY FALSE STATEMENTS OR MATERIAL OMISSIONS MADE ON OR IN CONNECTION WITH THIS DOCUMENT;

\*I AGREE TO MAINTAIN, AND PRESENT UPON REQUEST, DOCUMENTATION NECESSARY TO SUPPORT THIS CERTIFICATE, AND TO INFORM, IN WRITING, ALL PERSONS TO WHOM THE CERTIFICATE WAS GIVEN OF ANY CHANGES THAT COULD AFFECT THE ACCURACY OR VALIDITY OF THIS CERTIFICATE;

\*THE GOODS ORIGINATED IN THE TERRITORY OF ONE OR MORE OF THE PARTIES, AND COMPLY WITH THE ORIGIN REQUIREMENTS SPECIFIED FOR THOSE GOODS IN THE NORTH AMERICAN FREE TRADE AGREEMENT, AND UNLESS SPECIFICALLY EXEMPTED IN ARTICLE 411 OR ANNEX 401, THERE HAS BEEN NO FURTHER PRODUCTION OR ANY OTHER OPERATION OUTSIDE THE TERRITORIES OF THE PARTIES; AND

\*THIS CERTIFICATE CONSISTS OF 1 PAGES, INCLUDING ALL ATTACHMENTS

11a.AUTHORIZED SIGNATURE:		11b.COMPANY: Wesco Aircraft	
11c.NAME (Print or Type): Jonathan Sapien		11d.TITLE: Shipping Clerk	
11e.DATE (DD/MM/YY) 07/2015	11f.TELEPHONE NUMBER	(Voice) +1-661-7757200	(Facsimile) +1-661-2951307



# The YOUNG ENGINEERS, Inc.

engineering • manufacturing • aerospace fasteners

25841 Commercentre Drive, Lake Forest, California 92630 USA  
 Mail Add: PO Box 278, Lake Forest, California 92609-0278 USA  
 (949) 581-9411 Fax (949) 583-7662  
 email: sales@youngengineers.com

## CERTIFICATE OF CONFORMANCE

Packing Slip 53165

Customer Purchase Order 1601354

Sales Order 31308

Ship Date 9/22/2014

Page Number 1

**Bill To**  
**WESCO AIRCRAFT HARDWARE CORP**  
**ATTENTION: ACCOUNTS PAYABLE**  
**PO BOX 803010**  
**SANTA CLARITA, CA 91380-3010**  
**USA**

2007

**Ship To**  
**WESCO AIRCRAFT HARDWARE CORP**  
**27727 AVENUE SCOTT**  
**VALENCIA, CA 91355**  
**USA**

Line Nbr / Cust Ln	Item ID / Alt Item ID	Description	Lot Number	Lot Trans Qty
★ 1	TYE3005B4-8	1/4-28 Snap-In Float Nut Insert:Al Aly Housing, Alloy Stl, Self-Lock Nut, .019 Skin .718OD X .455OAL	53200	27
1	80-005-3-8 Rev. AA		54696	1,151
			54696-1	209
			54696-2	77
			54696-3	36

2 Test Report  
2

Test Report Fee included in price

Special Inst FedEx Acct 0904-5844-2  
Cage Code 56958

The item(s) which are identified within this certification have been reviewed and verified for compliance to those requirements specified within DFARS 252.225.7014 ALT 1 and DFARS 252.225.7009

"The use of Mercury, Mercury compounds or Mercury-Bearing instruments and/or equipment, which might cause contamination, have not been used in the manufacture, assembly or testing of this product".



The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C14B. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

WAC  
173

## CERTIFICATE OF CONFORMANCE

We Certify that the furnished parts have been manufactured, inspected, tested, and unless otherwise stated above, conform with applicable specifications, drawings and purchase order requirements.

Inspection, test data and/or material certifications are on file and available for examination at our facility.

We further certify that these articles are of United States origin, manufactured by/for The Young Engineers, Inc.

Authorized Signature

By

Gretchen Delaney SEP 22 2014  
 Office Manager TYE  
 3 SDF-03-07



# The YOUNG ENGINEERS, Inc.

engineering • manufacturing • aerospace fasteners

25841 Commercentre Drive, Lake Forest, California 92630 USA  
Mail Add: PO Box 278, Lake Forest, California 92609-0278 USA  
(949) 581-9411 Fax (949) 583-7662  
email: sales@youngengineers.com

## PACKING SLIP

Packing Slip 53165

Customer Purchase Order 1601354

Sales Order 31308

Ship Date 9/22/2014

Page Number 1

Bill To 2007

WESCO AIRCRAFT HARDWARE CORP  
ATTENTION: ACCOUNTS PAYABLE  
PO BOX 803010  
SANTA CLARITA, CA 91380-3010  
USA

Ship To  
WESCO AIRCRAFT HARDWARE CORP  
27727 AVENUE SCOTT  
VALENCIA, CA 91355  
USA

Order Date	6/6/2014 9:56:16 AM	FOB	Lake Forest				
Ship Method	FedEx Ground	Territory	House				
Line Nbr / Cust Ln	Item ID / Alt Item ID	Description		Req Date	Prom Date	Req Qty / UOM	Ship Qty / UOM
1	TYE3005B4-8	1/4-28 Snap-In Float Nut Insert:Al Aly Housing, Alloy Stl, Self-Lock Nut, .019 Skin .718OD X .455OAL		9/25/2014	9/25/2014	1500	1500
1	80-005-3-8 Rev. AA					ea	ea
			<u>Lot Number</u>		<u>Lot Trans Qty</u>		
			53200		27		
			54696		1,151		
			54696-1		209		
			54696-2		77		
			54696-3		36		
2		Test Report		9/25/2014	9/25/2014	1	1
2		Test Report Fee included in price					

Special Inst FedEx Acct 0904-5844-2  
Cage Code 56958

### SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS AND AS STATED ON REVERSE

1. NO RETURNS accepted without RETURN AUTHORIZATION.
2. ALL RETURNS must be in ORIGINAL BAG with FULL TYE RELEASE DOCUMENTATION.
3. ALL RETURNS are SUBJECT to TYE COUNT and INSPECTION.
4. ALL CLAIMS MUST BE MADE WITHIN 10 DAYS AFTER RECEIPT OF ORDER

WAC  
173

**The YOUNG ENGINEERS, Inc.**  
**Manufacturing Operations Sheet**  
**Work Order ID 54696**

Item ID TYE3005B4-8

Descrip 1/4-28 Snap-In Float Nut Insert:Al Aly Housing, Alloy Stl, Self-Lock Nut, .019 Skin .718OD X .455OAL

Job Qty 1155 Lot No \_\_\_\_\_ Lot Qty \_\_\_\_\_ Date Printed 6/11/2014 Start Date 8/12/2014  
Customer ID 2007 Cust PO No \_\_\_\_\_ Due Date 9/18/2014

Eng Planning By <u>JL</u> Date <u>6/11/14</u>	Manufacture Per Dwg No <u>NA</u> Rev _____ Final Inspect Per Dwg No <u>TYE 3005 SERIES</u> Rev <u>A</u> <input type="checkbox"/> Customer Release <input checked="" type="checkbox"/> TYE Catalog <input type="checkbox"/> Final Inspection Release <input type="checkbox"/> Assembly Release	<input type="checkbox"/> If this box is marked, these parts were manufactured by altering the base parts identified in the Material Planning Sheet accompanying this packet								
PC Planning By <u>EJ</u> Date <u>6/11/14</u>	CNC Lathe Program No _____ Cycle Time _____ Mach No _____ 1st Op _____ 2nd Op _____	Drill / Mill Program No _____ Cycle Time _____ Mach No _____ 1st Op <u>0167B</u> 2nd Op _____	Mfg Approval By <u>WU</u> Date <u>6/26/14</u>							
Seq ID	Operator Initial	Work Center	Operation Description	Inspection 1st Rec / NA Art Final	Quantity	Act#	Ref#	QA Stamp	Date	NCR #

10	WOP Supplemental Work Order Preparation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>						
20 <u>WJ</u>	F F12 Floater Component Assembly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>1155</u>	<u>1</u>	<u>A</u>	<u>TYE M-12</u>	<u>9.17.14</u>	
30 <u>PT</u>	D D22 CNC Floater Auto Swage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>1155</u>	<u>1</u>	<u>A</u>	<u>TYE M-2</u>	<u>9.17.14</u>	
40 <u>DA</u>	QA Quality Assurance Final	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>1151</u>	<u>26</u>	<u>56</u>	<u>TYE 3</u>	<u>SEP 20 2014</u>	

Inspection Level\*  S-3 AQL 1.0  AQL \_\_\_\_\_ QA Planning By TYE 3 Date JUN 25 2014

Comments: MFG ASSEMBLY LENGTH @ .455±.010 Ls cl(14)  
SPLIT OFF SEP 12 2014 AT Op#10 Due to Component Q'tys 210pc to WO# 54696-1,  
77pc to WO# 54696-2 and 40pc to WO# 54696-3 (DA 9/12/14)

\*Per ANSI/ASQC Z1.4-1993

**The YOUNG ENGINEERS, Inc.**

These Test Reports Apply To:

Customer Name: APSC

Customer PO No. 1601359

Part No. 80-001-3-X

Rev No. AA

Quantity 1151

TYE Invoice No. 109682

Pages this report 33

Date 9/22/14

Signature John G  
Office QA Manager

Work Order Package Review  
 TYE QA Inspector Stamp: TYE 3  
 Date: SEP 20 2014

TYE 3  
 SEP 22 2014

WAC  
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**The YOUNG ENGINEERS, Inc.**  
**First Article Inspection Report**

Job No 54697 Part No YH3005A4-8 Date 8/29/14 Page 1 of 2

Document(s) Used:  TYE Production Release  Other \_\_\_\_\_

Document No YH3005A4-8

Rev C

Job Qty 1,400

Qty Submitted 1

Qty Accept 1

Qty Reject 0

Name of Inspector V.RV12

NCR No<sup>1</sup> \_\_\_\_\_

Visual Inspection:  Acceptable  Not Acceptable<sup>1</sup>

OP No.	Item No	Drawing Dimension (.XXX: ± .005" Unless Indicated)	Actual Dimensions (low/high)	Ac	Re <sup>1</sup>	Instrument Type	Serial No
30	1	.619-.622	.619	TYPE 4		CAL	T621
	2	.451 ± .003	.448 Go/.449 No	TYPE 4		PINS	T547
	3	.451 ± .003	.448 Go/.453 No	TYPE 4		PINS	T547
	4	.30 ± .30	.30°	TYPE 4		COMP	T588
	5	.090-.095	.092	TYPE 4		D-MIC	T229
	6	.440-.445	.444	TYPE 4		CAL	T621
	7	.120	.121	TYPE 4		CAL	T621
	8	.015 ± .002	.0154	TYPE 4		COMP	T588
	9	.16 - 20 TPI	20 TPI	TYPE 4		COMP	T588
	10	.1620 TPI X 25° ± 5°	20 TPI X 25°	TYPE 4		COMP	T588
	11	15° BK	15° BK	TYPE 4		COMP	T588
	12	.558-.563 BK	.561 BK	TYPE 4		CAL	T621
	13	.60 ± .30	.60°	TYPE 4		COMP	T588
	14	.021 ± .002	.0205	TYPE 4		COMP	T588
	15	.104 ± .002	.1047	TYPE 4		COMP	T588
	16	.027 ± .002	.0274	TYPE 4		COMP	T588
	17	2X R.015 ± .010	.018-.022	TYPE 4		COMP	T588
	18	.20 ± .30	.20°	TYPE 4		COMP	T588
	19	.688 ± .002	.6891	TYPE 4		BLADE MIC	T099
	20	.698 ± .002 AK	.6985	TYPE 4		OD MIC	T622
	21	.318 ± .002	.316 Go/.319 No	TYPE 4		PINS	T547
	22	.718	.719	TYPE 4		CAL	T621
	23	.498	.499	TYPE 4		CAL	T621
	24	2X .093	.093 Go/.095 No	TYPE 4		PINS	T519
30	25	.410-.415	.412	TYPE 4		D-MIC	T229

Remarks (Refer to Item No) \_\_\_\_\_

<sup>1</sup> See Nonconformance Report for disposition, if applicable.

# **The YOUNG ENGINEERS, Inc.**

## **First Article Inspection Report**

Job No 54697 Part No YH3005A4-8 Date 8/29/14 Page 2 of 2

Document(s) Used:  TYE Production Release  Other \_\_\_\_\_

Document No. YH3005A4-8 Rev C

Job Qty 1400 Qty Submitted 1 Qty Accept 1 Qty Reject 0

Name of Inspector V.RVN NCR No<sup>1</sup> \_\_\_\_\_

Name of Inspector V.R.V.L NCR No' \_\_\_\_\_

Remarks (Refer to Item No) ➤ EMEM02

<sup>1</sup> See Nonconformance Report for disposition, if applicable.

**The YOUNG ENGINEERS, Inc.**  
**Final Inspection Report**

SEP 11 2014

Job No 54697 Part No XH3005A4-B Date    Page 1 of 1

Document(s) Used:  TYE Catalog Print  Final Inspection Release  Customer Release  Other

Document No. THE 3005 SERIES - M3005-XFINAL Rev A-1

Single Sampling Inspection Per ANSI/ASQC Z1.4 - 1993 [Level S-3, AQL 1.0]:  Yes  No [Level \_\_\_\_\_ AQL \_\_\_\_\_]

Final Qty 1155 Sample Size 20 Qty Accept 20 Qty Reject 5

Name of Inspector WILLIAM MORGAN NCR No<sup>1</sup> \_\_\_\_\_

**Visual Inspection:**  **Acceptable**  **Not Acceptable<sup>1</sup>**

Visual Inspection:  Acceptable  Not Acceptable

Item Drawing Dimension      Actual Dimensions (low/high)      Ac      Re<sup>1</sup>      Instrument      Serial No

Visual Inspection:  Acceptable  Not Acceptable<sup>1</sup>

**Remarks (Refer to Item No)**

<sup>1</sup> See Nonconformance Report for disposition, if applicable.

#2 C-A-675cc

The YOUNG ENGINEERS, Inc.  
Manufacturing Process Count Card Form

Work Order ID <u>54697</u>						
Operator Name	Pre-Process Count	Seq ID	Standard Process ID	Process Quantity	Operator Initials	Parts Lost*
Ack	1	20	171	1400	AG	
MA	2	30	CN1	200	MA	
Calvin	3	30	CN1	400	CT	
KEITH	4	30	CN1	180	VK	
MA	5	30	CN1	325	MA	
Calvin	6	30	CN1	80	CT	
H-G	1156	70	H3	1156	H-G	
H-G	1156	80	H2	1156	H-G	
THOMAS	1155	90	RMF	1155	TS	1
	—	100	DAF	—	TS	0
Final Quantity				1155	Total Parts	1

\*Includes setup & test pieces, etc.

Comments \_\_\_\_\_  
\_\_\_\_\_

WAC  
173

RMF  
57

## CERTIFICATION

Reid Metal Finishing  
3110 West Harvard  
Santa Ana, CA 92704  
Phone: (714) 549-3771  
Fax: (714) 549-3008

P/L # 105340  
09/09/2014

SOLD TO:

YOUNG ENGINEERS INC (THE)  
PO BOX 278  
LAKE FOREST, CA 92609-0278

SHIP TO:

YOUNG ENGINEERS INC (THE)  
25841 COMMERCENTRE DRIVE  
LAKE FOREST CA 92630

Net 30 Days

Ship: RMF Truck 1

UNITS SHIPPED / PART #

		<u>DESCRIPTION</u>	<u>PO #</u>	<u>RMF #</u>	<u>REF #</u>
1,158	Qty.	YH3005A4-B		143568	107049
0.80		8.00/lbs.			54697

WE HEREBY CERTIFY COMPLIANCE TO THE BELOW REFERENCED PROCESS SPECIFICATION(S)

Chemical Film Type I Class 1A Gold (Hexavalent)

Color: GOLD

MIL-DTL-5541 (MIL-C-5541)

Rev: F (E)

Sampling IAW ANSI/ASQC Z1.4 8-4-1983, Defects within a given batch or lot will be zero.

TYPE  
B  
SEP 1 1 2014

Q.C. MANAGER:

Jesse Areigas

Processes are performed by RMF in accordance with the latest revisions or superseding specifications. This certification also meets the requirements for designs and drawings developed under older revisions and/or non-current specifications. An Electrode Technologies, Inc., Company.



NADCAP  
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MT 2187

Castle Metals®

A. M. Castle &amp; Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 2181373

Ship From:	Sold To:	Ship To:	Deliver To:
A. M. Castle & Co. LOS ANGELES - CASTLE METALS 14001 ORANGE AVENUE PARAMOUNT, CA 90723	THE YOUNG ENGINEERS INC 25841 COMMERCENTRE DRIVE LAKE FOREST, CA 92630 US	THE YOUNG ENGINEERS INC 25841 COMMERCENTRE DRIVE LAKE FOREST, CA 92630 USA	THE YOUNG ENGINEERS INC 25841 COMMERCENTRE DRIVE LAKE FOREST, CA 92630 US
Date Shipped	F.O.B.	Freight Terms	Carrier
29-MAY-2014	ORIGIN	Prepaid	LOCAL FLEET

Shipment Details		Final Destination Branch - LOS	
Order No	Line No	Item No	Description

3378833	2	7933	0.7500.RD.2024.T351.ALUMINUM.CF.144.0000 SPECIFICATIONS: AMS 4120,AMS QQ-A-225/8,ASTM B211
---------	---	------	---

Purchase Order No	Part Number	Ordered Qty	Invoice Qty
142672		25.00 PCS	160.0000 LBS

Details	DEL 1-2 DAYS ARO  KAISER  1 HT	MT # <u>2187</u>
---------	--	------------------

TVE QA Inspector Stamp

Date: JUL 6 2014

Delivery No.	Mill	Heat Number	Mach Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
119655355	KAISER ALUMINUM			25		144.0000	160.0000

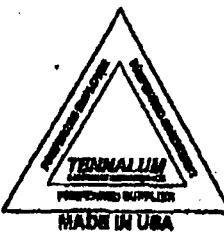
These commodities/technology are subject to US Export Administration & US State Dept. Regulations and, if intended for export, requires export license. Diversion contrary to US law is prohibited.	
We hereby certify the material covered by this certificate conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 30 days of the shipment. Material cut to the customer's size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative	Date: Name: <u>JUL 6 2014</u>

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.  
 Date Printed: 28-MAY-2014 01:34:26 AM

VIA C  
173AeroSpace  
26

# KAISER ALUMINUM FABRICATED PRODUCTS

Tennalum  
308 Industrial Drive  
Jackson, TN 38301  
731-423-2811



## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER		CUSTOMER PART NUMBER		PRODUCT DESCRIPTION		
229318-1		7833		Cold Finished Round		
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:		ALLOY:	TEMPER:	
689567	1.	07/08/2013		2024	T351	
WEIGHT SHIPPED:	QUANTITY:	BL NUMBER:		DIAM/THICKNESS:	WIDTH:	LENGTH:
4018 lbs.	628 pc(s)	36820		0.750 in.	0.000 in.	144.0 in.
SHIP TO:		SOLD TO:				
A M Castle & Co A M Castle & Co. 3400 No. Wolf Road Franklin Park, IL 60131 USA		A M Castle & Co 1420 Kensington Road Suite 220 Oak Brook, IL 60623 USA				

### Test Code: 1000 AC Actual Physical Properties

Lot Number	LONG.			LONG.
	UTS	ZTS	ksi	ksi
10042568	70.0	53.6	22.0	
	70.2	52.8	22.0	
	70.0	52.9	22.0	
10043428	70.8	53.5	22.0	
	70.5	53.6	22.9	
	68.7	51.9	21.0	
	70.8	53.1	22.5	
	69.9	53.3	22.5	
	70.2	53.0	22.5	
20172298	71.1	55.2	23.0	
	70.4	54.9	21.0	
	71.3	55.1	22.0	

MTS 2987

TYPE QA Inspector Stamp # 63

Date: JUN 03 2014

### Chemical Composition, WT. % (Aluminum Remainder)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OTHERS EACH	OTHERS TOTAL	Lot
Actual	0.12	0.21	4.7	0.76	1.3	0.02	0.12	0.02			10042568
Actual	0.12	0.21	4.7	0.76	1.3	0.02	0.12	0.02			10043428
Actual	0.12	0.21	4.7	0.76	1.3	0.02	0.12	0.02			20172298
Max	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.15	
Min			3.8	0.30	1.2						

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ("Kaiser") hereby certifies that the metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

John Rennkamp, Quality Manager

*John Rennkamp*

Plant Serial: 190410

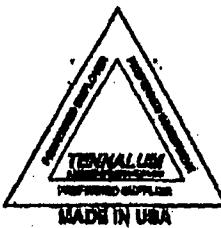
Kaiser Order Number: 689567

Line Item: 1

WAC  
173

# KAISER ALUMINUM FABRICATED PRODUCTS

Tennalum  
309 Industrial Drive  
Jackson, TN 38301  
731-423-2811



## CERTIFIED TEST REPORT <http://Online.KaiserAluminum.com>

### Specifications

Standard: ISO 9001, ASTM B211-12, AMS4120R, AMS-QQ-A-225/6A Non-Standard: A92024-02-14

### Miscellaneous Notes

#### Made in USA

This material was melted and manufactured in the USA. Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. A89100C:2009 The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

This material meets the requirements of T4 temper and of QQ-A-225/6E Amendment 1 (CANCELLLED). NAFTAA - YES. Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Prog), and FAR TAA (FAR 52.225-5 Trade Agreements). No weld repair. This material is RoHS 2 compliant.

Castle Metals FP  
HEAT NUMBER 801732-93  
MECHANICAL ID 7423  
ITEM CODE 7423  
LOT NUMBER 319316  
PO NUMBER 319316  
RECEIPT DATE 7-16-12  
SUPPLIER KAISER  
SPECIFICATION -  
LCS -  
COMMENT 117  
APPROVED 117

MT# 2987

TYE QA Inspector Stamp #

Date: JUN 03 2014

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ("Kaiser") hereby certifies that the metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

John Rennekamp, Quality Manager

*John Rennekamp*

Plant Serial: 190410  
Kaiser Order Number: 689567  
Line Item: 1

# The YOUNG ENGINEERS, Inc.

## Manufacturing Operations Sheet

Work Order ID 54698

Item ID YN3005-4-8

Descrip 1/4-28 Threaded Nut, Alloy Steel, Self-Locking, .553OD X .387CL

Job Qty 1,305 Lot No \_\_\_\_\_ Lot Qty \_\_\_\_\_ Date Printed 6/11/2014  
Customer ID 2007 Cust PO No \_\_\_\_\_

Start Date 5/7/2014  
Due Date 8/11/2014

Eng Planning By JL Date 6/13/14	Manufacture Per Dwg No YN3005-4-8 Rev A *	Final Inspect Per Dwg No YN3005-X/FINAL Rev D * ** <input type="checkbox"/> Customer Release <input type="checkbox"/> TYE Catalog <input checked="" type="checkbox"/> Final Inspection Release <input type="checkbox"/> Assembly Release	<input type="checkbox"/> If this box is marked, these parts were manufactured by altering the base parts identified in the Material Planning Sheet accompanying this packet
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PC Planning By ES Date 6/11/14	CNC Lathe Program No 08744037 Mach No 2-C-A 1st Op 08744037 2-C-A 2nd Op _____	Drill / Mill Program No _____ Cycle Time _____ Mach No _____ 1st Op _____ 2nd Op _____	Mfg Approval By Date (W) 7/24/14
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Seq ID	Operator Initial	Work Center	Operation Description	Inspection 1st Rec / Art Final	NA.	Quantity	Act#	Ref#	QA Stamp	Date	NCR #
--------	------------------	-------------	-----------------------	-----------------------------------	-----	----------	------	------	----------	------	-------

10		WOP	Standard Work Order Preparation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
20	LX	M	M1 Raw Material Preparation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
30	HGA	CN	CN1 CNC Lathe 1st Op Machining Memo Use 'BEFORE PLATE' Gage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1380	1	φ	(TVE 3)	AUG 11 2014
40	AG	M	M2 Wash (10P)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1385				
70	JD/JT	P	P6 Flats (Single Track Feed)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1384	1	φ	(TVE 3)	8.12.14
80	HGX	M	M3 Tumble	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1384				
90	MG	M	M2 Wash	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1384				
100	EZ	RMF	Cad Plate Per AMS-QQ-P-416, Type II, Class 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1381	20	φ	(TVE 3)	AUG 26 2014
105	DNI/LT	C	C1 Hand Coin (up)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1377	1	φ	(TVE 3)	8-27-14
110	ET	QA	Quality Assurance Final	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1365	20	φ	(TVE 3)	SEP 03 2014

Inspection Level\*  S-3 AQL 1.0  AQL \_\_\_\_\_

1 Container(s) Type:  Bucket  Weight (lbs) \_\_\_\_\_ Count Factor 2000000

Comments: \* Per DCN N345 MACHINED SURFACE ROUGHNESS PER ASME B46.1-2009 \*\* 4130 STEEL (.125-.145 IN UTS); CAD PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2 (JL 6/13/14)

Printed 8/20/14 7:08

\*Per ANSI/ASQC Z1.4-1993

Work Order Package Review
TYE QA Inspector Stamp# 
Date: SEP 04 2014





# The YOUNG ENGINEERS, Inc.

## Manufacturing Operations Sheet

In Process Inspection Interval							
Unless otherwise indicated, all operations to be inspected at <u>4</u> hour intervals.				QA Apv	TYE	JUN 25 2014	Date

Additional Inspection Interval Requirements							
Special Inspection Interval: Operation(s) _____				Interval	QA Apv	_____	Date

Op No	Inspect Time	Type/Count	Total Pieces Accept/Reject	Sample Size	Sample Ac/Re		QA Stamp	Date	Notes
					Ac #	Re #			
20	6:20	F 14	1	1	1	Ø	TYE	9.17.14	
20	9:10	F 12	1000	13	13	Ø	TYE	9.17.14	
20	9:30	L/P	All	1	1	Ø	TYE	9.17.14	
30	10:00	F 10	1	1	1	Ø	TYE	9.17.14	
30	13:10	2M	1000	13	13	Ø	TYE	9.17.14	
30	14:50	L/P	All	1	1	Ø	TYE	9.17.14	
10	09:30	CAF	1151	22	22	Ø	E=	SEP 20 2014	

In-Process Locking Torque Register [ Bolt Number ]	Bolt PO Number	Wrench Tool No

Comments and/or Special Instructions

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# The YOUNG ENGINEERS, Inc.

## Material Planning Sheet

Work Order ID 54896

Parent Item ID TYE3005B4-8

Item Description 1/4-28 Snap-in Float Nut Insert:Al Aly Housing, Alloy Stl, Self-Lock Nut, .019 Skin .718OD X .465OAL

Job Qty	Lot No	Lot Qty	Date Printed	Due Date	Engineering Approval				
Component Item ID/ Item Name	Mfg / Purch	Primary Location	Last Location	Unit of Measure	City on Hand	Qty To Pick	Qty Issued	QA Stamp	Date Issued
YC2334-4 1/4-28 Floater Cap, Al Alloy, Chem Film	Manufactured			ea	9,533	1,155	1155	141	9/15/14
		Location	Lot / Heat	PO No	Loc City	Loc Code			
		Sub ASSY	53985	(3)	9,533.0				
					9,533.0				
YH3005A4-8 1/4-28 Housing, Snap in, Al Alloy, .010-.019 Skin Thickness, .718OD X .440CL	Manufactured			ea	1,571	1,155	1155	3	
		Location	Lot / Heat	PO No	Loc City	Loc Code			
		Sub ASSY	53201	(3)	1,573.0	91.0			
			54697		1,155.0				
			54697-1		327.0				
YN3005-4-8 1/4-28 Threaded Nut, Alloy Steel, Self-Locking, .633OD, X .387CL	Manufactured			ea	1,554	1,155	1155	3	
		Location	Lot / Heat	PO No	Loc City	Loc Code			
		Sub ASSY	49674	(3)	1,564.0	18.0			
			50583		50.0				
			63202		43.0				
			54076		77.0				
			54698		1,385.0				
							1155		

WAC  
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**The YOUNG ENGINEERS, Inc.**  
**Final Inspection Report**

Job No 54696 Part No TYE 3005 BY-8 Date SEP 20 2004 Page 1 of 1  
Document(s) Used:  TYE Catalog Print  Final Inspection Release  Customer Release  Other  
Document No TYE 3005 SERIES Rev B  
Single Sampling Inspection Per ANSI/ASQC Z1.4 - 1993 [Level S-3, AQL 1.0]:  Yes  No [Level S-3, AQL 1.0]  
Final Qty 1151 Sample Size 20 Qty Accept 20 Qty Reject 0  
Name of Inspector D. E. S. D. E. S. D. E. S. NCR No<sup>1</sup>

**Remarks (Refer to Item No)**

<sup>1</sup> See Nonconformance Report for disposition, if applicable.



**The YOUNG ENGINEERS, Inc.**  
**Manufacturing Process Count Card Form**

\*Includes setup & test pieces, etc.

**Comments**

Rev E 06/14

WAC  
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MDF-09-10

# The YOUNG ENGINEERS, Inc.

## Manufacturing Operations Sheet

Work Order ID 53865

Item ID YC2334-4

Descrip 1/4-28 Floater Cap, Al Alloy, Chem Film

Job Qty 15,100 Lot No \_\_\_\_\_ Lot Qty \_\_\_\_\_ Date Printed 2/26/2014 Start Date 3/28/2014  
 Customer ID 4094 Cust PO No \_\_\_\_\_ Due Date 4/15/2014

Eng Planning By Date <u>RS 3/10/14</u>	Manufacture Per Dwg No <u>YC 2334 - 4</u> Rev <u>E</u> Final Inspect Per Dwg No <u>TYE 2334 SERIES</u> Rev <u>C</u>	<input type="checkbox"/> Customer Release <input checked="" type="checkbox"/> TYE Catalog <input type="checkbox"/> Final Inspection Release <input type="checkbox"/> Assembly Release	<input type="checkbox"/> If this box is marked, these parts were manufactured by altering the base parts identified in the Material Planning Sheet accompanying this packet							
PC Planning By Date <u>ES 8/26/14</u>	CNC Lathe Program No Cycle Time Mach No 1st Op _____ 2nd Op _____	Drill / Mill Program No Cycle Time Mach No 1st Op _____ 2nd Op _____	Mfg Approval By Date <u>WU 3/14/14</u>							
Seq ID	Operator Initial	Work Center	Operation Description	Inspection 1st Rec / NA Art Final	Quantity	Ac#	Re#	QA Stamp	Date	NCR #

10 WOP Supplemental Work Order Preparation    \_\_\_\_\_

20 DRF RMF Coat per MIL-DTL-5541, Type I, Class 3, Gold    15,100 32 (32) APR 22 2014

30 QA QA Quality Assurance Final    15,100 32 (32) APR 22 2014

Inspection Level\*:  S-3 AQL 1.0  AQL \_\_\_\_\_

QA Planning By WU Date MAR 14 2014

2 Container(s) Type:  Bucket  BOX Weight (lbs) 12 Count Factor 0.6929

Comments: \_\_\_\_\_

\*Per ANSI/ASQC Z1.4-1993

Work Order Package Review
TYE QA Inspector Stamp# <u>TYE</u>
Date: <u>APR 24 2014</u>

WAC  
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# **The YOUNG ENGINEERS, Inc.**

## **Manufacturing Operations Sheet**

Rev | 03/02

Page 20 of 2

WAC  
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# **The YOUNG ENGINEERS, Inc.**

## **Final Inspection Report**

Job No 53865 Part No YC 2334-3 Date APR 22 2014 Page 2 of 1

Document(s) Used:  TYE Catalog Print  Final Inspection Release  Customer Release  Other

Document No TYER334-Sub-A-3 Rev

Single Sampling Inspection Per ANSI/ASQC Z1.4 - 1993 [Level S-3, AQL 1.0]:  Yes  No [Level \_\_\_\_\_ AQL \_\_\_\_\_]

Final Qty 171 Sample Size 5 Qty Accept 5 Qty Reject 0

Visual Inspection:  Acceptable  Not Acceptable

Visual Inspection:  Acceptable  Not Acceptable

**Remarks (Refer to Item No)** \_\_\_\_\_

<sup>1</sup> See Nonconformance Report for disposition, if applicable.

Reid Metal Finishing  
3110 West Harvard  
Santa Ana, CA 92704  
Phone: (714) 549-3771  
Fax: (714) 549-3008

## CERTIFICATION

P/L # 95611

04/17/2014

**SOLD TO:**

YOUNG ENGINEERS INC (THE)  
PO BOX 278  
LAKE FOREST, CA 92609-0278

**SHIP TO:**

YOUNG ENGINEERS INC (THE)  
25841 COMMERCENTRE DRIVE  
LAKE FOREST CA 92630

Ship: RMF Truck 1

Net 30 Days

UNITS SHIPPED	PART #	DESCRIPTION	PO #	RMF #	REF #
15,100 qty.	YC2334-4		142321	97597	43865
0 B/O	12.00 lbs.				

**WE HEREBY CERTIFY COMPLIANCE TO THE BELOW REFERENCED PROCESS SPECIFICATION(S)**

Chemical Film Type I Class 3 Gold (Hexavalent)

Color: GOLD

MIL-DTL-5541 (MIL-C-5541)

Rev: F (E)

Sampling IAW ANSI / ASQC Z1.4 S-4-1993, Defects within a given batch or lot will be zero.

APR 22 2014

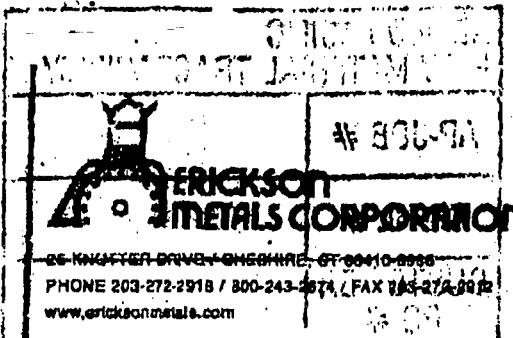
Q.C. MANAGER:

*Julio Arejos*

Processes are performed by RMF in accordance with the latest revisions or superseding specifications. This certification also meets the requirements for designs and drawings developed under older revisions and/or non-current specifications. An Electrode Technologies, Inc., Company.



WAC  
173



Pg #1 of 42

MR 2011

CERTIFICATE

39445

Date: 12/16/11

Page: ?

Account No: 0C2140.

BILL TO:  
 CLAYTON METALS INC  
 546 CLAYTON CT  
 WOOD DALE, IL 60191

SHIP TO: 001  
 CLAYTON METALS  
 16022 CARMENITA ROAD  
 CERRITOS, CA 90703

Order No: 38084

PO#: 71717

Invoice No: 043724  
 Bill Of Lading#: 37020

CUST PART #:

Specs: ASIM B209-10

EMC PART NO: 5052-032-01200  
 640

WEIGHT:

No.	OUR	Skid No.	of Cuts	Coil Number	Item Number
112200	6			111786	5052-032-01200

Alloy	Gauge
Temper	Width/Length
5052	0.01200
H32	1.3000

Specific Properties

Chemical Analysis

Elements	Percentage
Silicon	0.1200
Silicon/Iron	0.0000
Iron	0.2600
Copper	0.0200
Manganese	0.0600
Magnesium	2.3000
Chromium	0.1800
Nickel	0.0000
Zinc	0.0200
Titanium	0.0000
Other Each	0.0000
Other Total	0.0000
Aluminum	Remainder
Gallium	0.0000
Vanadium	0.0000

Mechanical Analysis

Ultimate Tensile: 34411 psi  
 Yield Strength: 30000 psi  
 Elongation Pct: 6 %

Tag# D678830

CLAYTON METALS S.O. # 2985600

CUST. BILL OF LADING

P.O. # 39439-008456

P/N

Desc. 5052-H32-.012x1.300EC

Weight 640 Date 1-09-12

WAC  
173

We hereby certify that the material referred to above conforms to the physical and chemical properties above and is in accordance with the requirements per stated spec# ASIM B209-10.

Laboratory 7 Sean ISO 9001:2008 Registered Company

ORIGINAL

12/16/11  
 Date

Pg #2 of 4

ALLIED PACIFIC RAW MATERIAL TRACEABILITY	
AP-JOB #	9082
AP-HL #	D678830
CUSTOMER PO #	141837

APR 22 2004

WAC  
173

# The YOUNG ENGINEERS, Inc.

## Manufacturing Operations Sheet

Work Order ID 54697

Item ID YH3005A4-8

Description 1/4-28 Housing, Snap In, Al Alloy, .010-.019 Skin Thickness, .718OD X .440CL

Job Qty 113900 Lot No \_\_\_\_\_ Date Printed 8/11/2014 Start Date 8/5/2014  
 Customer ID 2007 Cust PO No \_\_\_\_\_ Due Date 8/11/2014

Eng Planning By <u>JL</u> Date <u>6/19/14</u>	Manufacture Per Dwg No <u>YH3005A4-8</u> Rev <u>C</u> Final Inspect Per Dwg No <u>YH3005-X FINAL</u> Rev <u>D</u> <input type="checkbox"/> Customer Release <input checked="" type="checkbox"/> TYE Catalog <input checked="" type="checkbox"/> Final Inspection Release <input type="checkbox"/> Assembly Release	<input type="checkbox"/> If this box is marked, these parts were manufactured by altering the base parts identified in the Material Planning Sheet accompanying this packet	
PC Planning By <u>ES</u> Date <u>6/11/14</u>	CNC Lathe Program No Cycle Time Mach No 1st Op <u>0217028067842C-A</u> 2nd Op _____	Drill / Mill Program No Cycle Time Mach No 1st Op _____ 2nd Op _____	Mfg Approval By <u>WU</u> Date <u>8/11/14</u>
Seq ID	Operator Initial	Work Center Operation Description	Inspection
		1st Rec / NA Art Final	Quantity Ad# Ref# QA Stamp Date NCR #

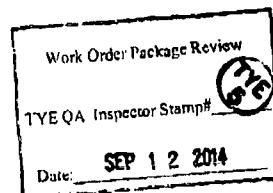
10	WOP	Standard Work Order Preparation	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>				
20	<u>AG</u>	M M1 Raw Material Preparation	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>				
30	<u>MG/DWZ</u>	CN CN1 CNC Lathe 1st Op Machining	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <u>1195</u> 1 <u>φ</u>	<u>TYE</u>	AUG 2 8 2014		
70	<u>MCG</u>	M M3 Tumble	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <u>1156</u>				
80	<u>MCG</u>	M M2 Wash	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <u>1156</u>				
90	<u>JK</u>	RMF Coat per MIL-DTL-5541, Type I, Class 1A, Gold	<input type="checkbox"/> <input checked="" type="checkbox"/> <u>1155</u> 20 <u>φ</u>	<u>TYE</u>	SEP 1 1 2014		
100	<u>JK</u>	QA Quality Assurance Final	<input type="checkbox"/> <input checked="" type="checkbox"/> <u>1155</u> 20 <u>φ</u>	<u>TYE</u>	SEP 1 1 2014		

Inspection Level\*  S-3 AQL 1.0  AQL \_\_\_\_\_ QA Planning By JK Date JUN 25 2014

1 Container(s) Type:  Bucket  Weight (lbs) 6 Count Factor 5.113  
 Comments: \* 2024-T4 OR T351 ALUMINUM; CONT PER MIL-DTL-5541, TYPE I, CLASS 1A (6ALO)  
DISREGARD DIA (φ) SYMBOL ON SLOT WIDTH, COUNT-BORE DIA IS  $3.306 \pm .0034$  - JS 6/19/14  
Per RW N345, MACHINED SURFACE ROUGHNESS PER ASME B46.1-2009  $.4505 \pm .0035$

\*Per ANSI/ASQC Z1.4-1993

SPLIT OFF AUG 2 9 2014 AT GP# 30 Due to a change of Material Heats  
 220pcs to WO# 54697-1 (JK 6/19/14)



WAC  
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# **The YOUNG ENGINEERS, Inc.**

## **Manufacturing Operations Sheet**

# The YOUNG ENGINEERS, Inc.

## Material Planning Sheet

Work Order ID 54697

Parent Item ID YH3005A4-8

Item Description 1/4-28 Housing, Snap In, Al Alloy, .010-.018 Skin Thickness, .718OD X .440CL

Date Printed 8/18/2014

Engineering Approval

By gk Date 8-19-14

Job Qty 1.400 Lot No \_\_\_\_\_ Lot Qty \_\_\_\_\_ Due Date 8/11/2014

Component Item ID/ Item Name	Mfg / Purch	Primary Location	Last Location	Unit of Measure	Qty on Hand	Qty To Pick	Qty Issued	QA Stamp	Date Issued
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3/4 2024-T4 or -T351 Purchased  
Aluminum Alloy Bar(s) Per AMS-QQ-A-225/6

bar 13 7

6 gk AUG 19 2014

Location	Lot / Heat	PO No	Loc Qty	Loc Code
STOCK BAR	10046232		13.0	
			1.0	
	20172298	<u>142672</u>	206.0 8/19/14	<u>6</u>
	MA20133394		1.0	
	MA20140228		3.0	
	MA20141218		1.0	

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